In the Claims:

Please enter the following amended claim set::

1. (Currently amended) A method for tracking eye movement comprising the steps of:

removably affixing a ring member to an eye in surrounding relation to a cornea of the eye, the ring member comprising a color contrastive with an area of the eye adjacent a ring member placement location, the color comprising a light color on an inner ring and a dark color on an outer ring, the inner and the outer rings concentric;

transmitting a plurality of incident light spots onto the ring member; detecting reflections from the ring member of the incident light spots; determining eye movement from an analysis of the reflections.

- 2. (Original) The method recited in Claim 1, wherein the affixing step comprises applying a vacuum to at least a portion of the ring member along an interface between the ring member and the eye.
- 3. (Original) The method recited in Claim 1, wherein the transmitting step comprises transmitting four light spots spaced substantially evenly about the ring member.

4,5. (Canceled)

- **6.** (Currently amended) The method recited in Claim [[5]] 1, wherein the inner ring is white and the outer ring is black.
- 7. (Original) The method recited in Claim 1, wherein a center of the ring member is substantially coincident with a center of the cornea.
- 8. (Original) The method recited in Claim 1, wherein the ring member comprises:

a substantially toroidal ring having a toroidal tunnel and a hole from an outside to the tunnel;

a plurality of apertures extending between the tunnel and an inner face of the ring;

a base affixed to the ring, the base having a channel therethrough extending from a hose aperture at an outside of the base to the hole; and

wherein the affixing step comprises placing the ring inner face around the cornea, connecting a hose to the hose aperture, the hose in fluid communication with a vacuum source, and activating the vacuum source.

9. (Original) The method recited in Claim 1, wherein the ring member comprises:

a substantially toroidal ring having a substantially toroidal groove in an inner face thereof, the groove substantially concentric with the ring, and a hole from an outside to the groove;

a base affixed to the ring, the base having a channel therethrough extending from a hose aperture at an outside of the base to the hole; and

wherein the affixing step comprises placing the ring inner face around the cornea, connecting a hose to the hose aperture, the hose in fluid communication with a vacuum source, and activating the vacuum source.

a ring member comprising a color contrastive with an area of the eye adjacent a ring member placement location, the color comprising a light color on an inner ring and a dark color on an outer ring, the inner and the outer rings concentric;

means for removably affixing the ring member to an eye in surrounding relation to a cornea of the eye;

spots;

means for transmitting a plurality of incident light spots onto the ring member; means for detecting reflections from the ring member of the incident light

means for determining eye movement from an analysis of the reflections.

- 11. (Original) The system recited in Claim 10, wherein the affixing means comprises a vacuum source in fluid communication with at least a portion of the ring member along an interface area for interfacing with the eye.
- **12. (Original)** The system recited in Claim 11, wherein the vacuum source comprises a hose having a first end in fluid communication with a depression in an inner face of the ring member.
- **13. (Original)** The system recited in Claim 12, wherein the depression comprises a substantially toroidal groove concentric with the ring member.
- **14. (Original)** The system recited in Claim 10, wherein the transmitting means comprises means for transmitting four light spots spaced substantially evenly about the ring member.

15,16. (Canceled)

- **17.** (Currently amended) The system recited in Claim [[16]] 10, wherein the inner ring is white and the outer ring is black.
- **18.** (Original) The system recited in Claim 10, wherein a center of the ring member is affixable to be substantially coincident with a center of the cornea.

19. (Original) The system recited in Claim 10, wherein the ring member comprises:

a substantially toroidal ring having a toroidal tunnel and a hole from an outside to the tunnel;

a plurality of apertures extending between the tunnel and an inner face of the ring;

a base affixed to the ring, the base having a channel therethrough extending from a hose aperture at an outside of the base to the hole; and

wherein the affixing means comprises a hose connected to the hose aperture, the hose in fluid communication with a vacuum source, the ring inner face affixable around the cornea and retainable in place by means of a vacuum applied to the ring apertures in contact with the eye.

20. (Currently amended) The system recited in Claim [[1]] <u>10</u>, wherein the ring member comprises:

a substantially toroidal ring having a substantially toroidal groove in an inner face thereof, the groove substantially concentric with the ring, and a hole from an outside to the groove;

a base affixed to the ring, the base having a channel therethrough extending from a hose aperture at an outside of the base to the hole; and

wherein the affixing means comprises a hose connected to the hose aperture, the hose in fluid communication with a vacuum source, the ring inner face

affixable around the cornea and retainable in place by means of a vacuum applied to the ring apertures in contact with the eye.